

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M108255	Client:	Alaskan Copper Works
Date Received:	06/08/06	Project:	Metro K.C. Grab, PO# M108255
Date Extracted:	06/09/06	Lab ID:	606100-01
Date Analyzed:	06/09/06	Data File:	606100-01.010
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	81	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)
Chromium	1,240
Nickel	1,550
Copper	1,050
Zinc	24.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro K.C. Grab, PO# M108255
Date Extracted:	06/09/06	Lab ID:	I6-279 mb
Date Analyzed:	06/09/06	Data File:	I6-279 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	88	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
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Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/16/06

Date Received: 06/08/06

Project: Metro K.C. Grab, PO# M108255, F&BI 606100

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 606100-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	1,240	1,260	0	0-20
Nickel	ug/L (ppb)	1,550	1,550	0	0-20
Copper	ug/L (ppb)	1,050	1,030	0	0-20
Zinc	ug/L (ppb)	24.9	25.4	2	0-20

Laboratory Code: 606100-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	200	1,240 b	103	50-150
Nickel	ug/L (ppb)	200	1,550 b	102	50-150
Copper	ug/L (ppb)	200	1,050 b	83	50-150
Zinc	ug/L (ppb)	500	24.9	98	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	200	102	70-130
Nickel	ug/L (ppb)	200	103	70-130
Copper	ug/L (ppb)	200	102	70-130
Zinc	ug/L (ppb)	500	101	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 16, 2006

DUPLICATE COPY

INVOICE # 06ACU0616-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro K.C. Grab, PO# M108255, F&BI 606100 - Results of testing
requested by Gerry Thompson for material submitted on June 8, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Rush Charges 100% of \$80.00	<u>80.00</u>
Amount Due	\$ 160.00

FEDERAL TAX ID # (b) (6)

606100

SAMPLE CHAIN OF CUSTODY

ME 06/08/06

AI4

Send Report To Gerry Thompson
 Company Alaskan Copper Works
 Address 628 South Hanford
 City, State, ZIP Seattle, WA 98134
 Phone # 382-8379 Fax # 382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

~~M108255~~ METRO K.C.
 Grab

M108255

REMARKS

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH 24 hrs

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	Cr, Cu, Ni & Zn														Notes
M108255	01	6/8/06	2:45	H ₂ O	1	X														

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	W. Wiley Wood	ACW	6/8/06	15:55
Received by: <i>m. Thompson</i>	Nhan Phan	Fe B.T	6/8/06	V
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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June 16, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on June 8, 2006 from the Metro K.C. Grab, PO# M108255, F&BI 606100 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0616R